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07278

PATENT TRADEMARK OFFICE

Docket No.: 5432/1H602US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Thomas RUHLAND et al.

Serial No.: TBA (Continuation of 09/677,851)

Filed: Concurrently Herewith

For: A SOLID SUPPORT BASED ON SELENIUM USEFUL IN SOLID PHASE
SYNTHESIS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy
of Form PTO-1449. Copies of the documents listed thereon may be located in the file
for parent application serial no. 09/677,851.

The present Information Disclosure Statement includes references cited in the International Search Report dated July 26, 1999, for International application no. PCT/DK99/00179. A copy of the International Search Report accompanies this IDS.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

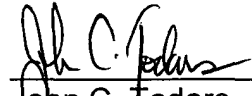
The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

This Information Disclosure Statement is being submitted concurrently with a Continuing Application Transmittal. As such, it is believed that no additional fee is due. However, if the Commissioner determines that a fee is due, the Commissioner is hereby authorized to charge the deposit account no. 04-0100 for any deficiency.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: July 14, 2003



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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | TBA (Continuation 09/677,851) |
| | | | | Filing Date | Concurrently Herewith |
| | | | | First Named Inventor | Thomas RUHLAND |
| | | | | Art Unit | TBA |
| | | | | Examiner Name | TBA |
| Sheet | 1 | of | 2 | Attorney Docket Number | 5432/1H602US |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 1. | Thomas Ruhland et al., "Selenium-Linking Strategy for Traceless Solid-Phase Synthesis: Direct Loading, Aliphatic C-H Bond Formation upon Cleavage and Reaction Monitoring by Gradient MAS NMR Spectroscopy," <i>J. Org. Chem.</i> 63 (25): 9204-9211 (1998) | |
| | 2. | Rudolf Michels et al., "Polymere Selenreagenzien," <i>Makromol. Chem.</i> 177: 2311-2320 (1976) | |
| | 3. | Masaaki Miyashita et al., "The Organoselenium-Mediated Reduction of alpha, beta-Epoxy Ketones, alpha, beta-Epoxy Esters, and Their Congeners to beta-Hydroxy Carbonyl Compounds: Novel Methodologies for the Synthesis of Aldols and Their Analogues," <i>Tetrahedron</i> 53 (37): 12469-12486 (1997) | |
| | 4. | J.C. Scaiano et al., "Biomolecular Homolytic Substitution of Dialkyl Selenides and Tellurides with Tri-n-Butyltin Radicals," <i>Journal of Organometallic Chemistry</i> 121: C4-C6 (1976) | |
| | 5. | M. Jean Farrall et al., "Bromination and Lithiation: Two Important Steps in the Functionalization of Polystyrene Resins," <i>J. Org. Chem.</i> 41 (24): 3877-3882 (1976) | |
| | 6. | Lutz S. Richter et al., "A Surprising Observation about Mitsunobu Reactions in Solid Phase Synthesis," <i>Tetrahedron Letters</i> 35 (27): 4705-4706 (1994) | |
| | 7. | Hu et al., "Polymer-Supported Diaryl Selenoxide and Telluroxide as Mild and Selective Oxidizing Agents," <i>Bull. Chem. Soc. Jpn.</i> , Vol. 59, pp. 879-884 (March 1986) | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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| Examiner Signature | | Date Considered | |
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